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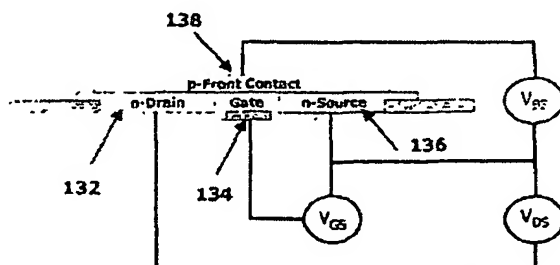
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ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.*

(54) Title: ELECTRONIC COMPONENTS



(57) Abstract: A method of manufacturing an electronic component comprising at least one n- or p-doped portion, comprising the steps of: co-depositing inorganic semi-conducting nanoparticles and dopant on a substrate, the nanoparticles being a group four element such as silicon or germanium; fusing the nanoparticles by heating to form a continuous layer; and subsequently; and, recrystallising the layer.

# INTERNATIONAL SEARCH REPORT

Intern Application No  
PCT/EP 03/50768

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H01L21/208 H01L21/31 C23C24/08 C23C24/10 H01L21/336  
C09D11/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C23C H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 106 712 A (EBARA CORP) 13 June 2001 (2001-06-13)	1,22,86, 87
X	abstract paragraphs '0013!, '0016!, '0028!	21,41,61
X	EP 1 223 615 A (EIDGENOESS TECH HOCHSCHULE) 17 July 2002 (2002-07-17) the whole document	21,41, 61,86,87
X	US 5 800 611 A (CHRISTENSEN HOWARD) 1 September 1998 (1998-09-01) abstract	21
A	EP 1 085 578 A (SEIKO EPSON CORP) 21 March 2001 (2001-03-21)  the whole document	1-30, 41-49, 61-75, 86,87

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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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# INTERNATIONAL SEARCH REPORT

Ir

tional application No.  
PCT/EP 03/50768**Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)**

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

**Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)**

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☒ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:  
31-40, 50-60
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☒ No protest accompanied the payment of additional search fees.

**FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210**

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-30, 41-49, 61-75, 86, 87

Deposition of nanoparticles followed by an at least partial fusion of said nanoparticles.  
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2. claims: 31-40, 50-60

Suspension of nanoparticles in an ink.  
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3. claims: 76-83

Ink-jet deposition used to make portions of a transistor.  
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4. claims: 84,85

Definition of patterns by contact lithographic printing, with the electrical characteristics of said patterns depending on their geometries.  
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5. claim: 88

An apparatus with lithographic stamps allowing to deposit an hydrophilic liquid onto patterns.  
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## INTERNATIONAL SEARCH REPORT

Intern al Application No

PCT/EP 03/50768

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 197 46 515 A (AGFA GEVAERT AG) 20 August 1998 (1998-08-20)  abstract -----	31, 32, 34-40, 50-60
X	DE 198 45 496 A (ARGOTEC LACKSYSTEME GMBH) 6 April 2000 (2000-04-06) abstract -----	31-40, 50-60
X	US 5 989 700 A (KRIVOPAL BORIS) 23 November 1999 (1999-11-23) column 2, line 4 - line 24 -----	31, 32, 34-40
X	US 2002/149656 A1 (NOHR RONALD S ET AL) 17 October 2002 (2002-10-17)  paragraphs '0023!, '0024!, '0097!, '0098! -----	31, 32, 34-40, 50-60

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